

AMENDMENTS TO CLAIMS

1. (original) A mosquito and insect control system comprising:
 - a container for containing a liquid insecticide, a fill tube connected thereto;
 - a sight glass engaged with the container for determining the insecticide level therein;
 - a first float and a second float within the container;
 - the first float operable to detect a first low level of insecticide condition within the container tank and visually indicate said first low level condition;
 - the second float operable to detect a second low level of insecticide condition within the container tank and to de-energize the pump upon said second low level condition;
 - a distribution system for delivering liquid insecticide from the container to a plurality of remote locations;
 - a canned pump in operable engagement with the distribution system for pumping the liquid insecticide from the container to the plurality of remote locations;
 - a programmable digital timer for controlling the pump operable to energize and de-energize the pump for a pre-selected duration of time at a pre-selected time;
 - a handheld wireless remote control unit to manually energize and de-energize the canned pump from a remote location;
 - a hardwired remote control unit to manually energize and de-energize the canned pump from a remote location; and
 - nozzles at the removed end of the distribution system to direct the spray of insecticide, the nozzles being atomizing nozzles comprised of a stainless steel housing, a non-corrosive, bronze fine-mesh filter, and a check valve to reduce or prevent dripping at the termination of a spray interval; and

a pressure gauge to monitor the pressure of the insecticide within the distribution system.

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (currently amended) A mosquito and insect control system ~~The mosquito and insect control system of claim 2~~ further comprising:

a container for containing a liquid insecticide;

a distribution system for delivering liquid insecticide from the container to a plurality of remote locations;

nozzles at the removed end of the distribution system to direct the spray of insecticide; and

a pump in operable engagement with the distribution system for pumping the liquid insecticide from the container to the plurality of remote locations;

programmable digital timer for controlling the pump operable to energize and de-energize the pump for a pre-selected duration of time at a pre-selected time; and

a remote override unit and wherein the programmable digital timer controller is adapted to energize the pump and to de-energize the pump in response to a signal from the remote override.

8. (original) The mosquito and insect control system of claim 7 wherein the pump remains energized only so long as a continuous signal from the remote override unit is received; the pump being de-energized when the signal terminates.

9. (original) The mosquito and insect control system of claim 7 wherein the pump is energized in response to a first signal from the remote override unit and is de-energized in response to a second signal from the remote override unit.
10. (currently amended) The mosquito and insect control system of claim 7 [2] wherein the programmable digital timer controller is adapted to operate from an alternating current power source.
11. (currently amended) The mosquito and insect control system of claim 7 [2] wherein the programmable digital timer controller includes a backup direct current power source.
12. (currently amended) A mosquito and insect control system ~~The mosquito and insect control system of claim 2~~ further comprising:
 - a container for containing a liquid insecticide;
 - a distribution system for delivering liquid insecticide from the container to a plurality of remote locations;
 - nozzles at the removed end of the distribution system to direct the spray of insecticide; and
 - a pump in operable engagement with the distribution system for pumping the liquid insecticide from the container to the plurality of remote locations;
 - programmable digital timer for controlling the pump operable to energize and de-energize the pump for a pre-selected duration of time at a pre-selected time;
 - a first float and a second float;
 - the first float operable to detect a first low level of insecticide condition within the container tank and visually indicate said first low level condition; and
 - the second float operable to detect a second low level of insecticide condition within the container tank and to de-energize the pump upon said second low level condition.

13. (cancelled)
14. (currently amended) A mosquito and insect control system comprising: The mosquito and insect control system of claim 13 wherein the
a container for containing a liquid insecticide;
a distribution system for delivering liquid insecticide from the container to a plurality of
remote locations;
nozzles at the removed end of the distribution system to direct the spray of insecticide; and
a pump in operable engagement with the distribution system for pumping the liquid
insecticide from the container to the plurality of remote locations;
programmable digital timer for controlling the pump operable to energize and de-energize
the pump for a pre-selected duration of time at a pre-selected time, said
programmable digital timer controller is adapted to visually indicate a low level of
insecticide condition within the container; and
a low level sensor to signal the programmable digital timer controller at pre-selected levels
of insecticide within the container.
15. (cancelled)
16. (currently amended) A mosquito and insect control system ~~The mosquito and insect control system of claim 2 wherein~~ comprising:
a container for containing a liquid insecticide;
a distribution system for delivering liquid insecticide from the container to a plurality of
remote locations;

nozzles at the removed end of the distribution system to direct the spray of insecticide,
 wherein the nozzle ends are flexible to permit directional adjustments of the
 insecticide spray; and
a pump in operable engagement with the distribution system for pumping the liquid
insecticide from the container to the plurality of remote locations; and
programmable digital timer for controlling the pump operable to energize and de-energize
the pump for a pre-selected duration of time at a pre-selected time.

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (currently amended) An automated method of applying insecticide to an area providing a
pump, a container adapted to receive a liquid insecticide, a distribution system with a
plurality of nozzles to direct the spray of the liquid insecticide, a programmable digital timer,
and a remote override transmitter, comprising the steps of: The method of claim 17 further
~~providing a remote signal transmitter wherein a user initiated signal~~
directing the spray of insecticide with the plurality of nozzles;
defining discrete intervals for insecticide application;
defining the duration of application for each of the defined intervals;
initiating the application of insecticide by energizing the pump at the beginning of each
interval;

terminating the application of insecticide by de-energizing the pump at the expiration of the
allotted time for the indicated interval; and
allowing the
transmitting signals from the remote override transmitter to initiate and terminate ~~initiates~~
~~and terminates~~ application of insecticide.